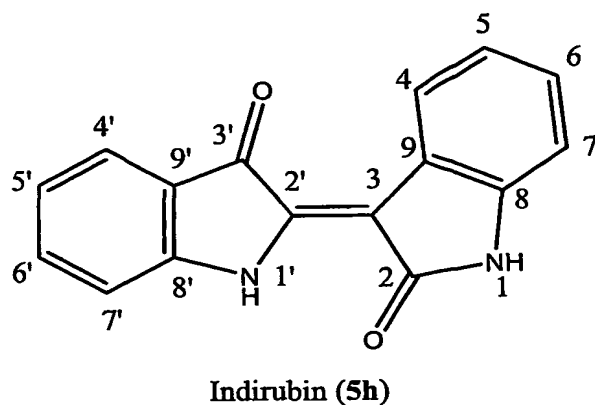
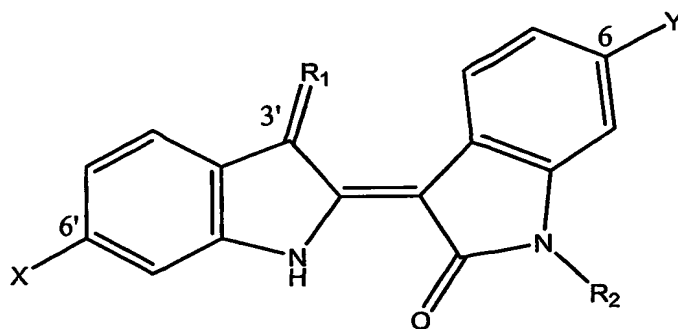


FIGURE 1

A



B



Exemplary Compound	No.	X	Y	R ₁	R ₂
Indirubin	5h	H	H	O	H
6-Bromoindirubin	5a	H	Br	O	H
6'-Bromoindirubin	12h	Br	H	O	H
6,6'-Dibromoindirubin	12b	Br	Br	O	H
1-Methylindirubin-3'-oxime ("MeIO")	13d	H	H	NOH	CH ₃
1-Methyl-6-bromoindirubin	12c	H	Br	O	CH ₃
1-Methyl-6-bromoindirubin-3'-oxime ("MeBIO")	13c	H	Br	NOH	CH ₃
Indirubin-3'-oxime ("IO")	7h	H	H	NOH	H
6-Bromoindirubin-3'-oxime ("BIO")	7a	H	Br	NOH	H
6'-Bromoindirubin-3'-oxime	13a	Br	H	NOH	H
6,6'-Dibromoindirubin-3'-oxime	13b	Br	Br	NOH	H
6-Bromoindirubin-3'-methoxime	9a	H	Br	NOCH ₃	H
6-Bromoindirubin-3'-acetoxime	8a	H	Br	NOCOCH ₃	H
1-Methylindirubin	12d	H	H	O	CH ₃

FIGURE 2A

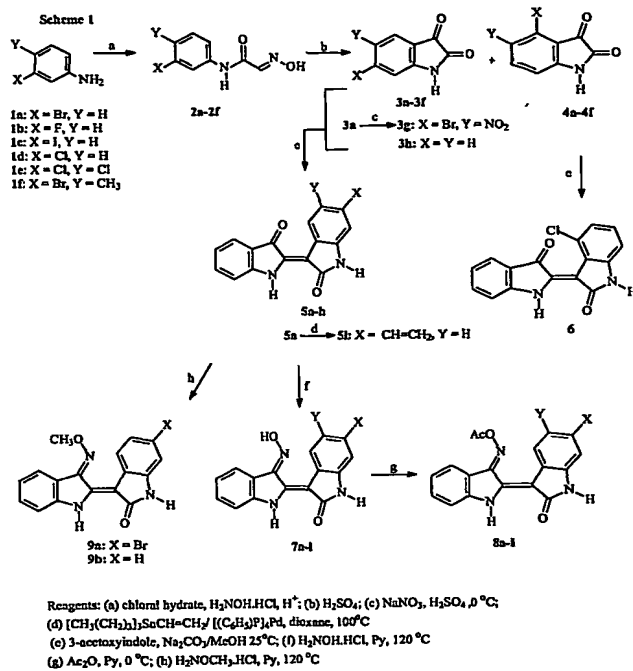
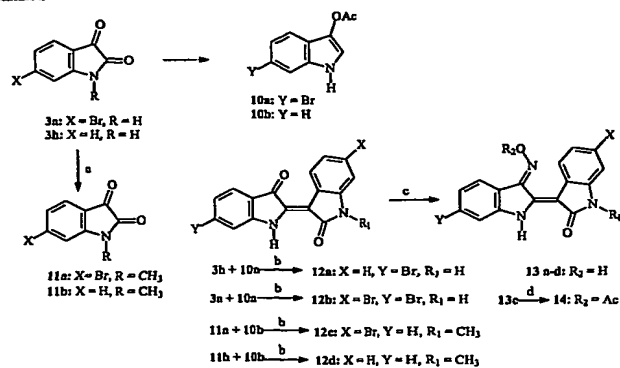


FIGURE 2B

Scheme 2



Reagents: (a) (CH₃)₂SO₄, DMF; (b) Na₂CO₃/MeOH, 25 °C; (c) H₂NOH.HCl, Py, 120 °C; (d) Ac₂O, Py, 0 °C

FIGURE 3A

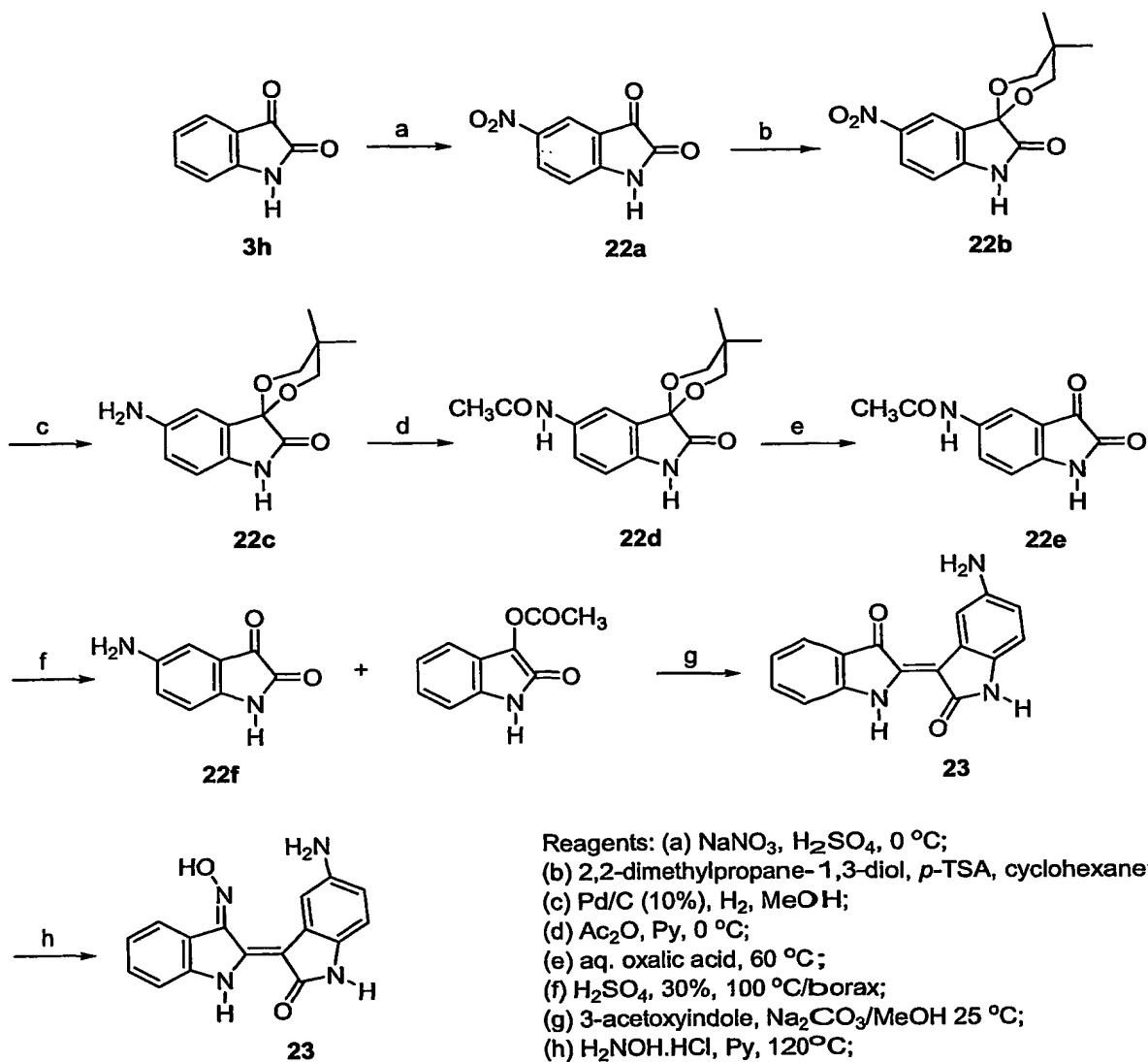


FIGURE 3B

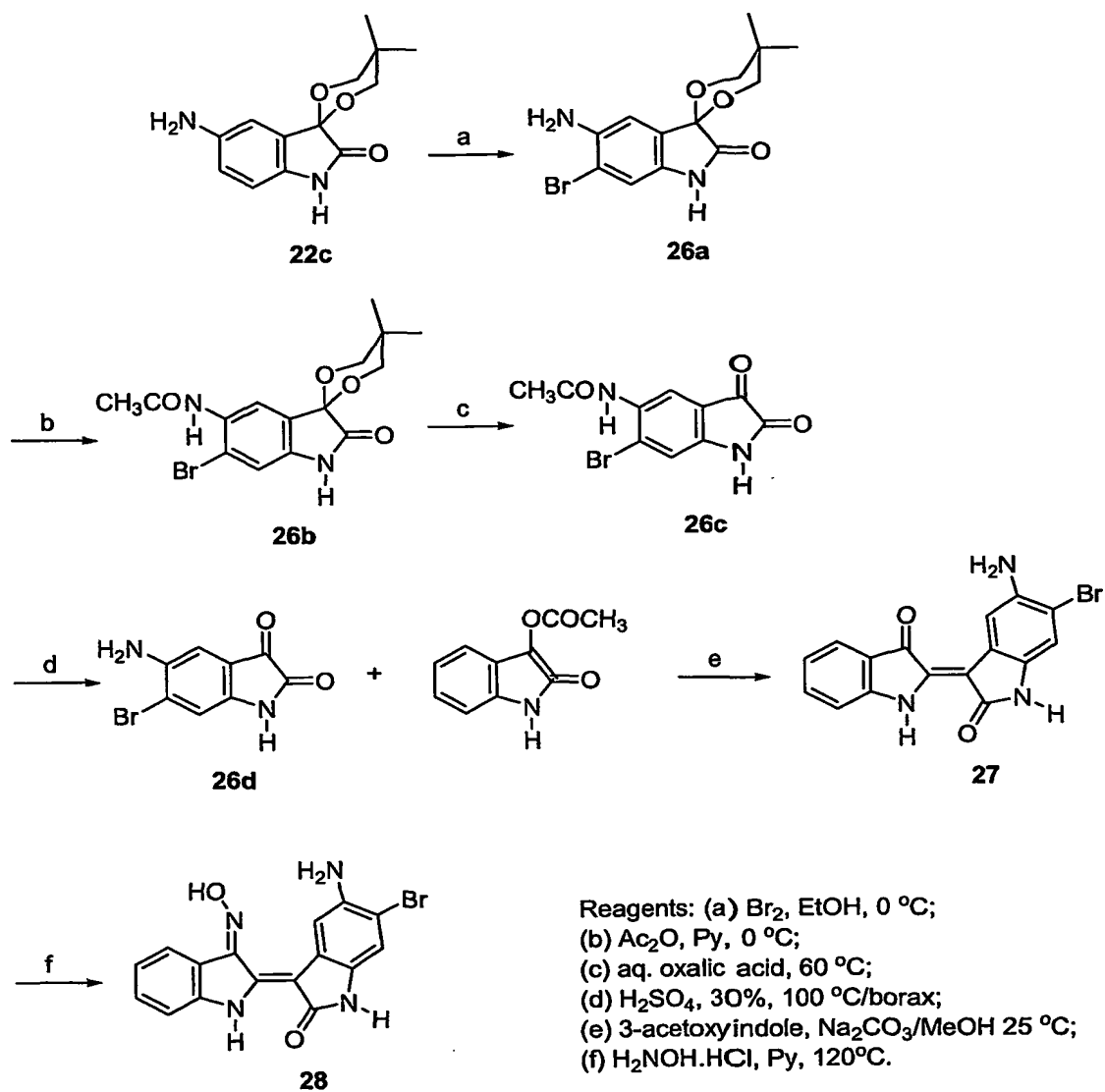


FIGURE 4

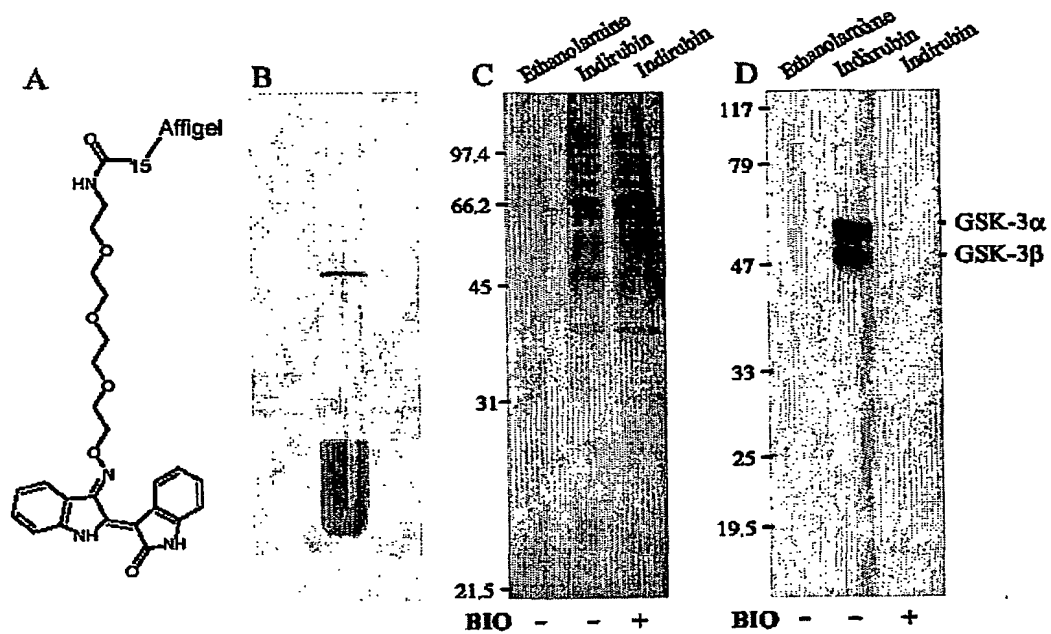


FIGURE 5

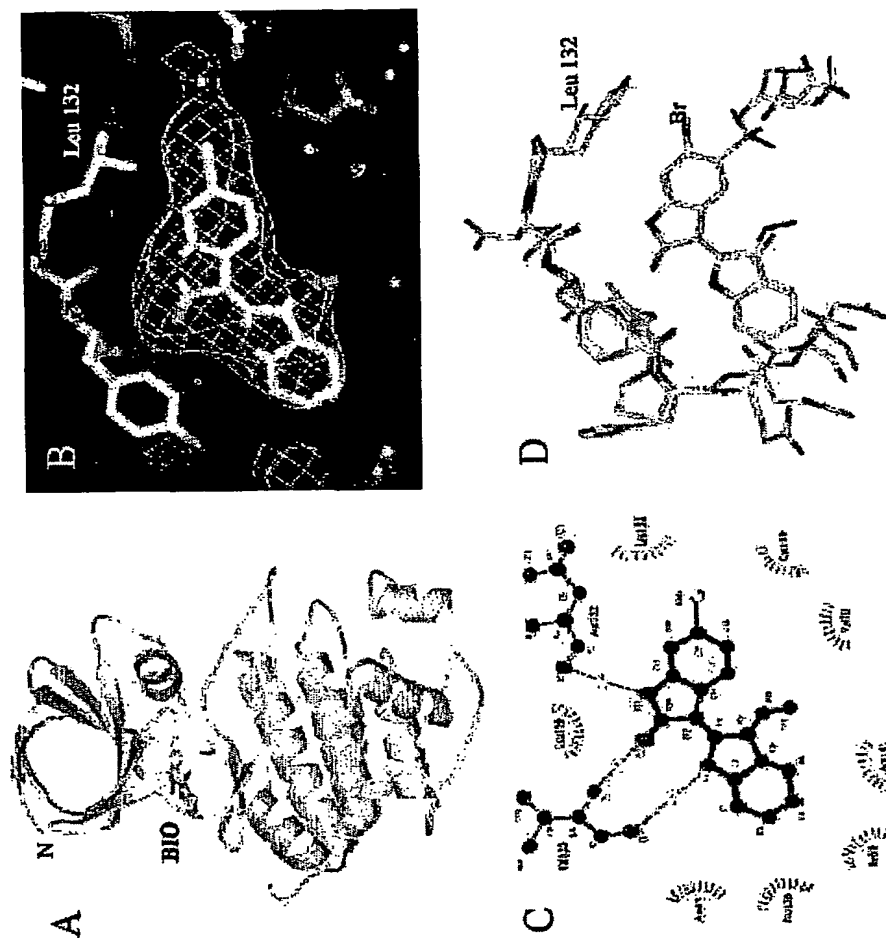


FIGURE 6

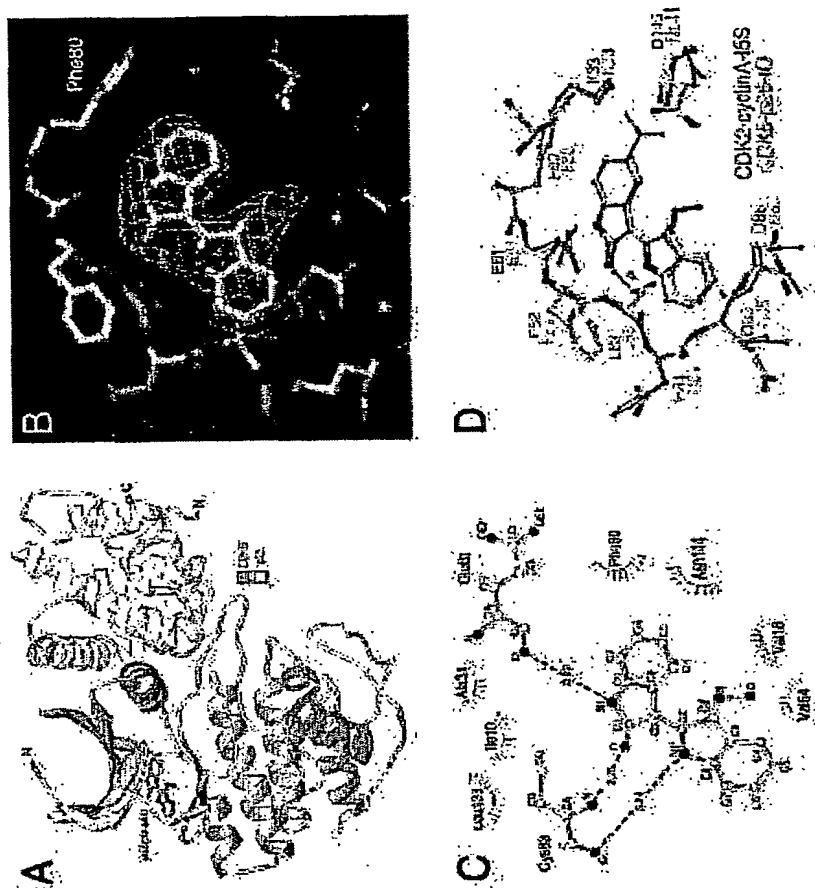


FIGURE 7

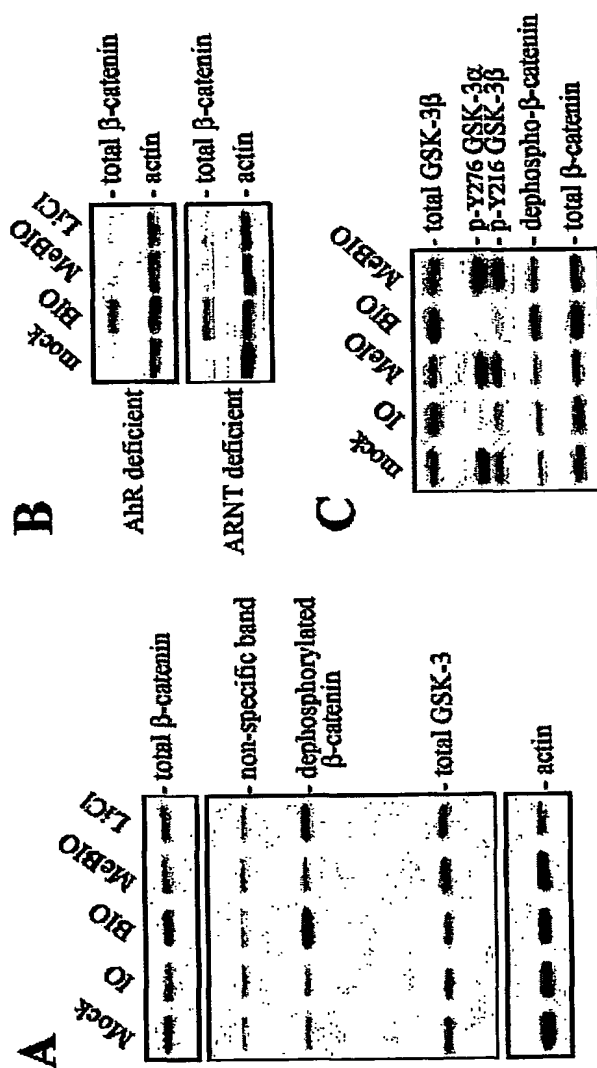


FIGURE 8

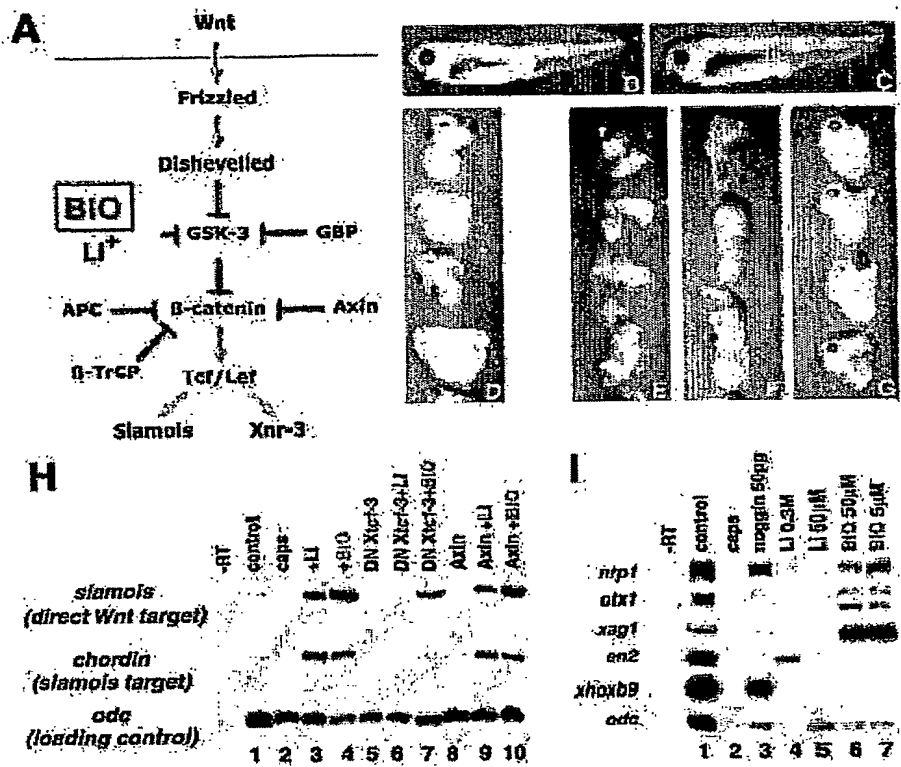


FIGURE 9A

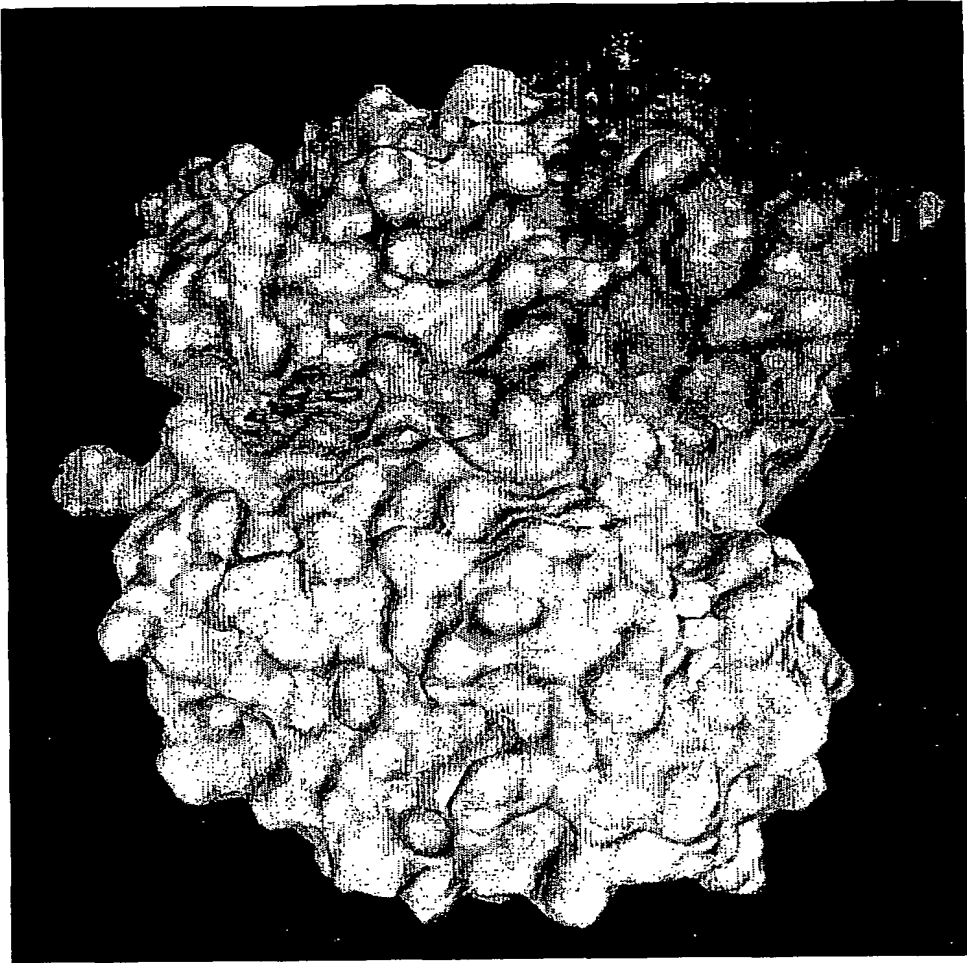


FIGURE 9B

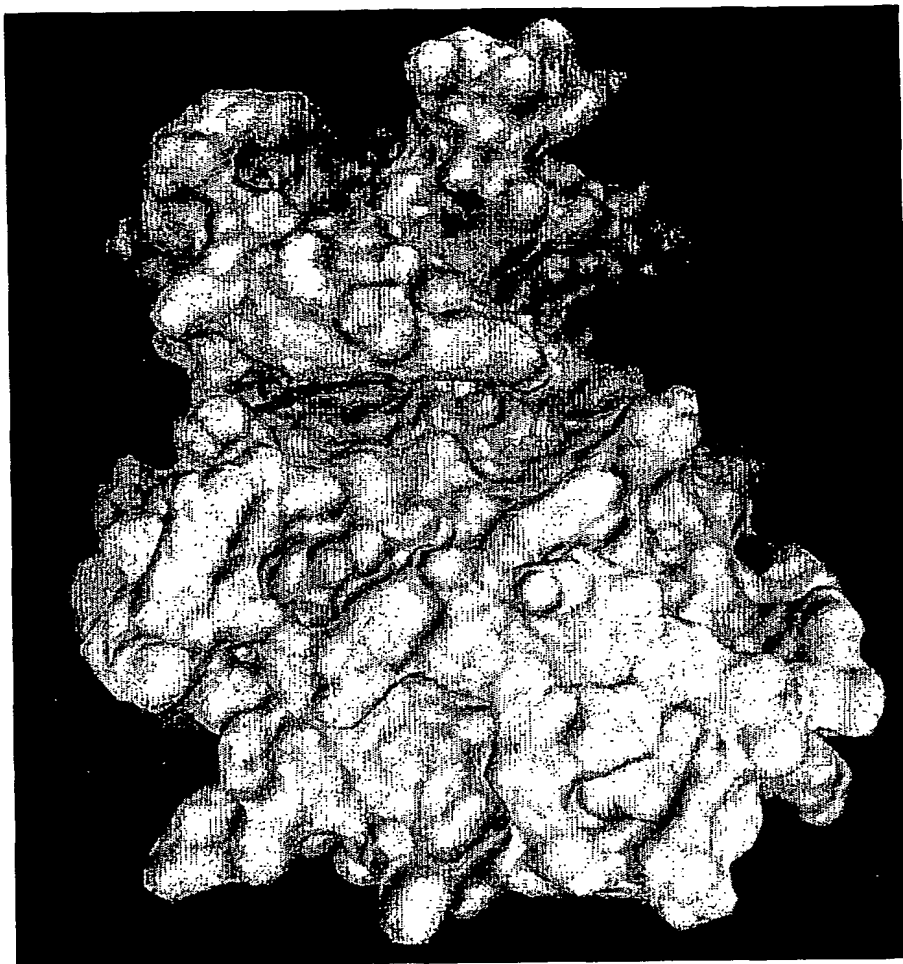


FIGURE 9C

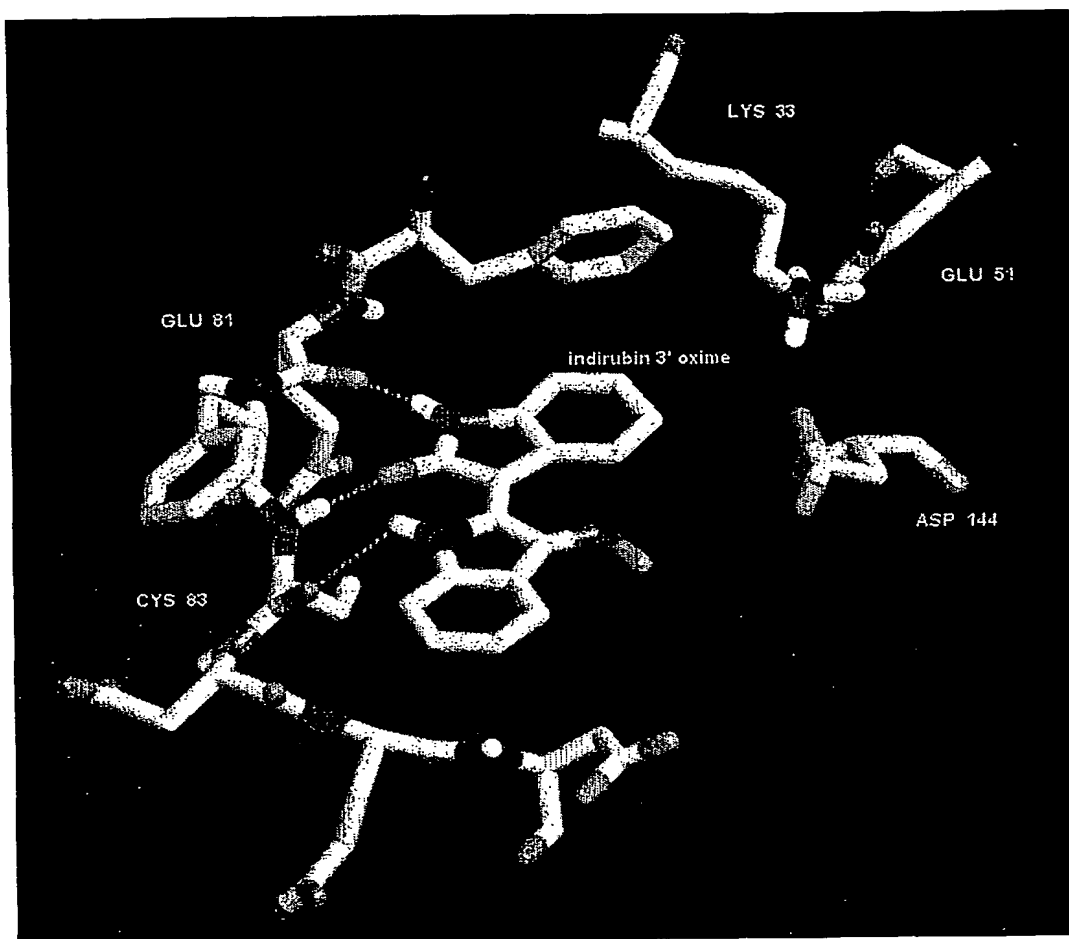


FIGURE 9D

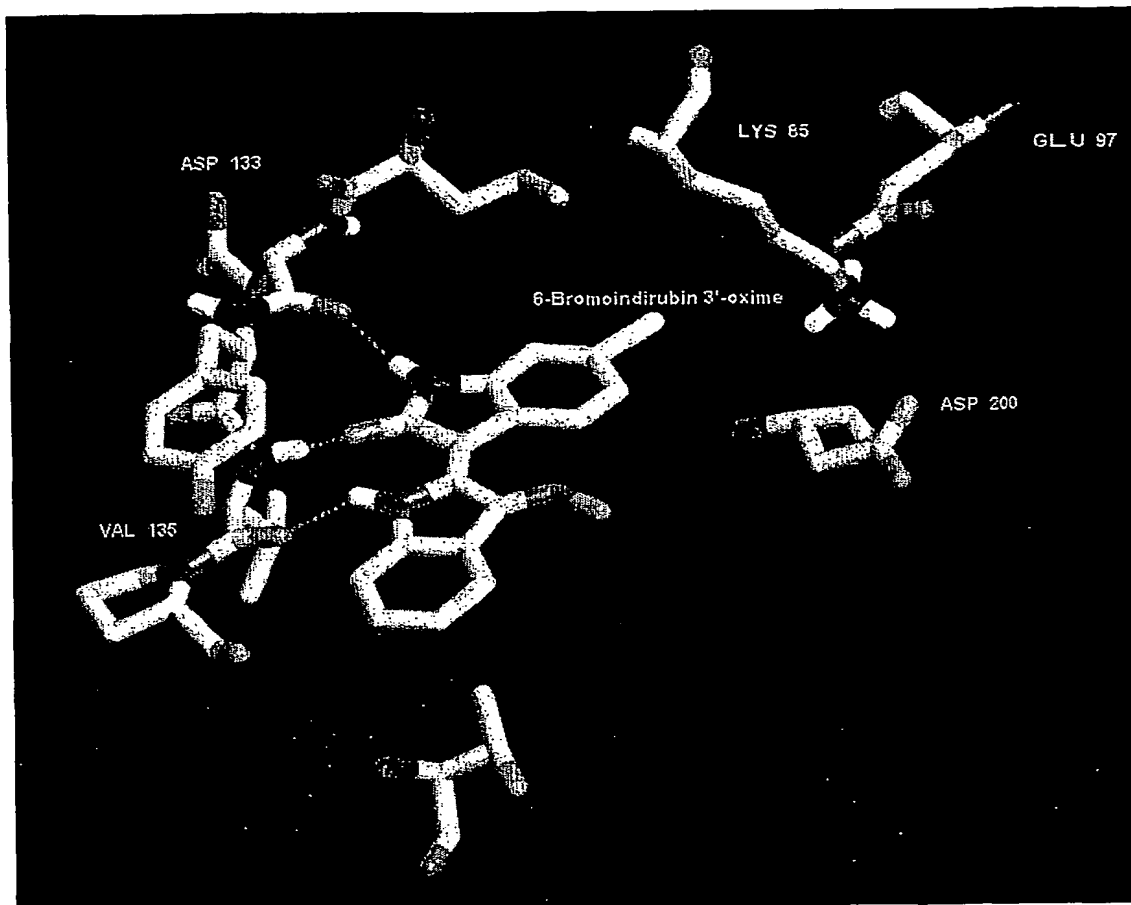


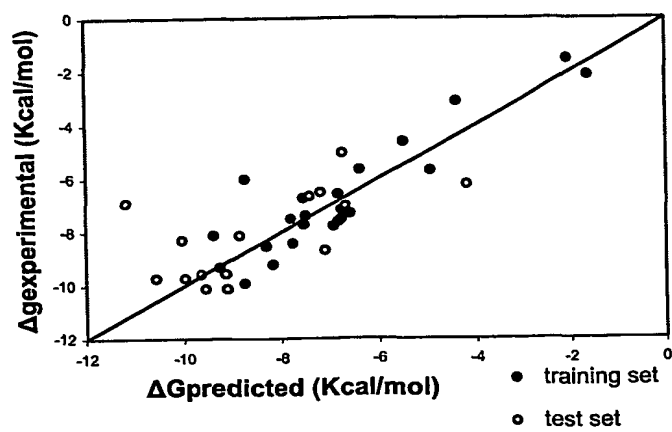
FIGURE 10

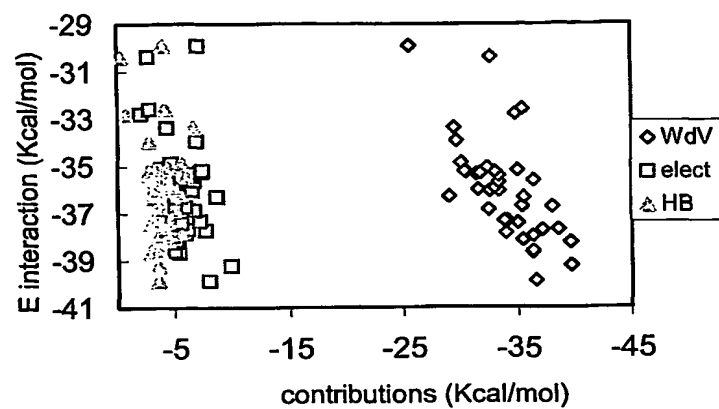
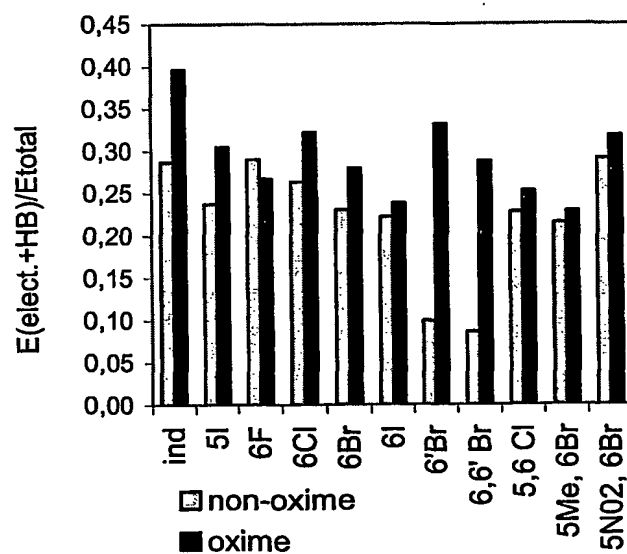
FIGURE 11**A****B**

FIGURE 12

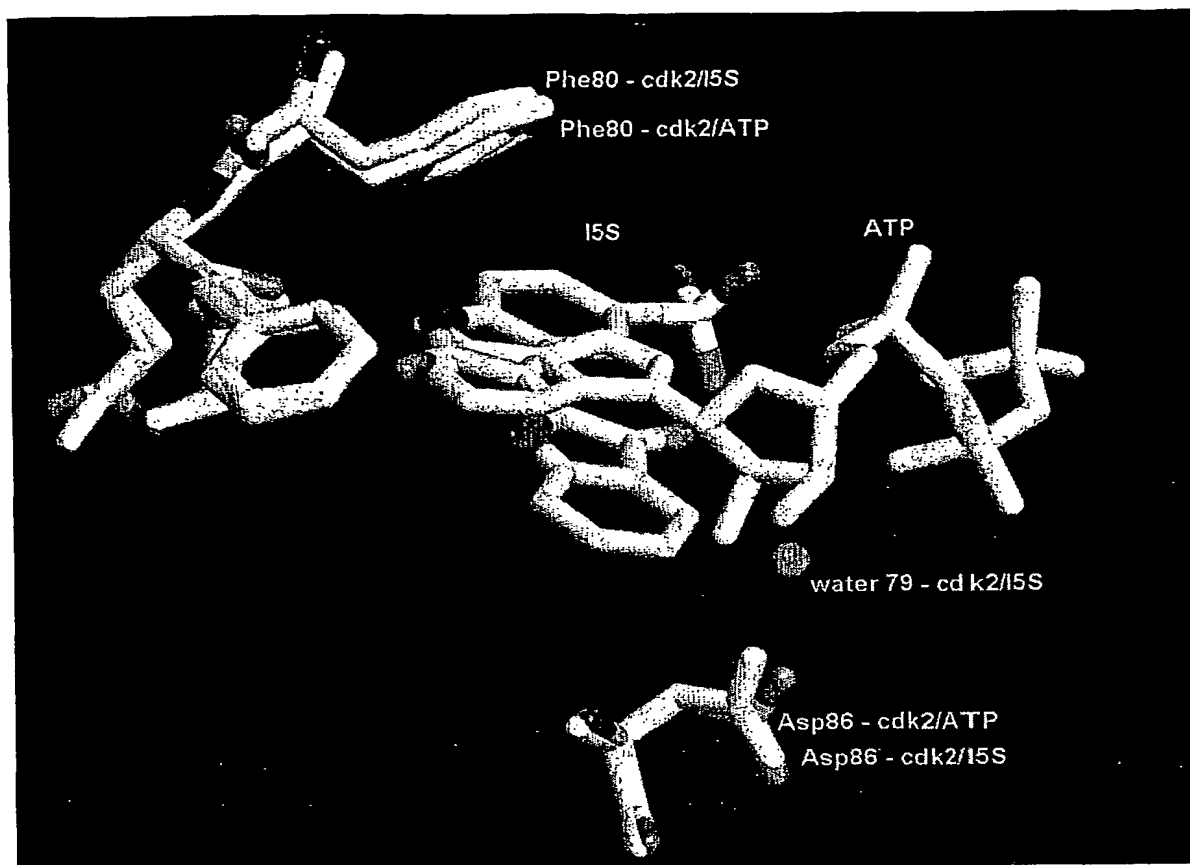


FIGURE 13

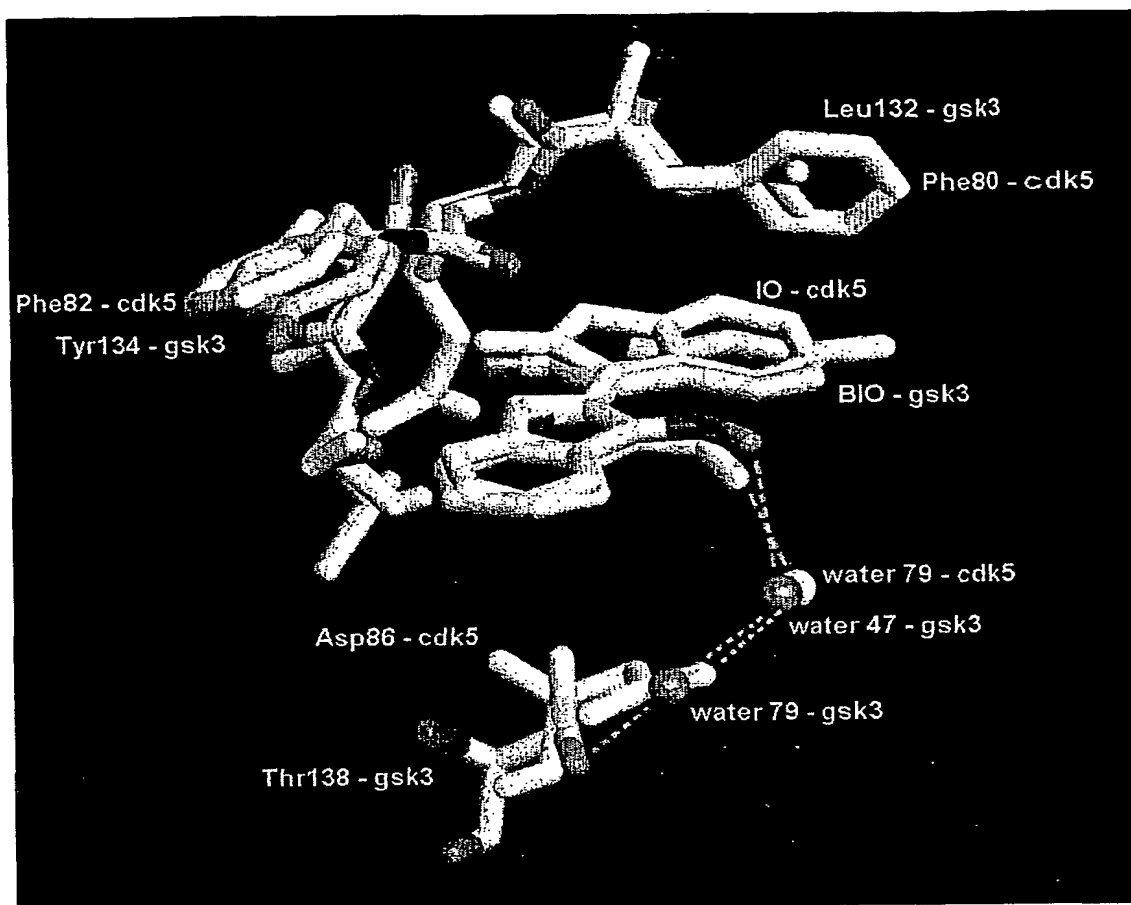


FIGURE 14

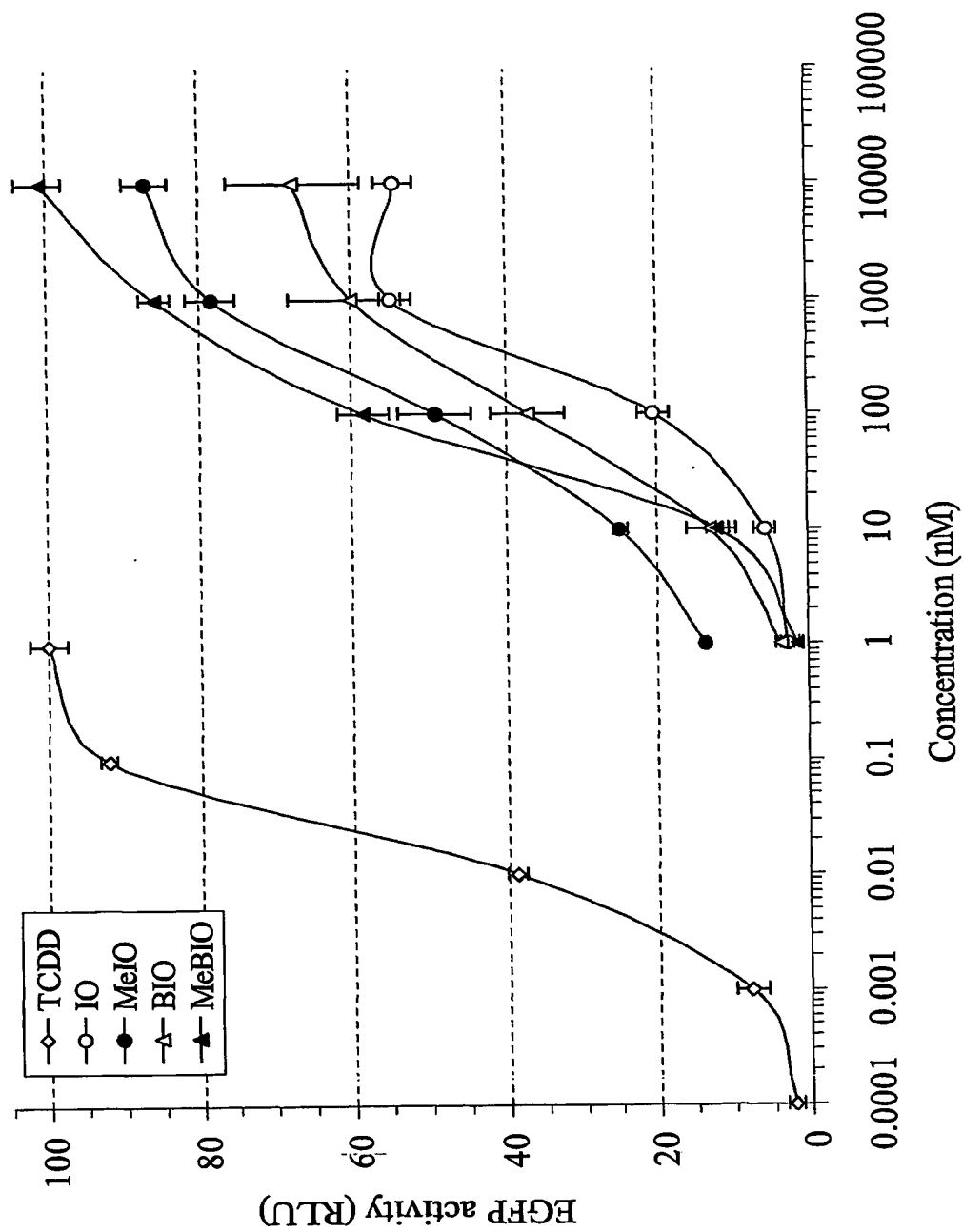


FIGURE 15A-15F

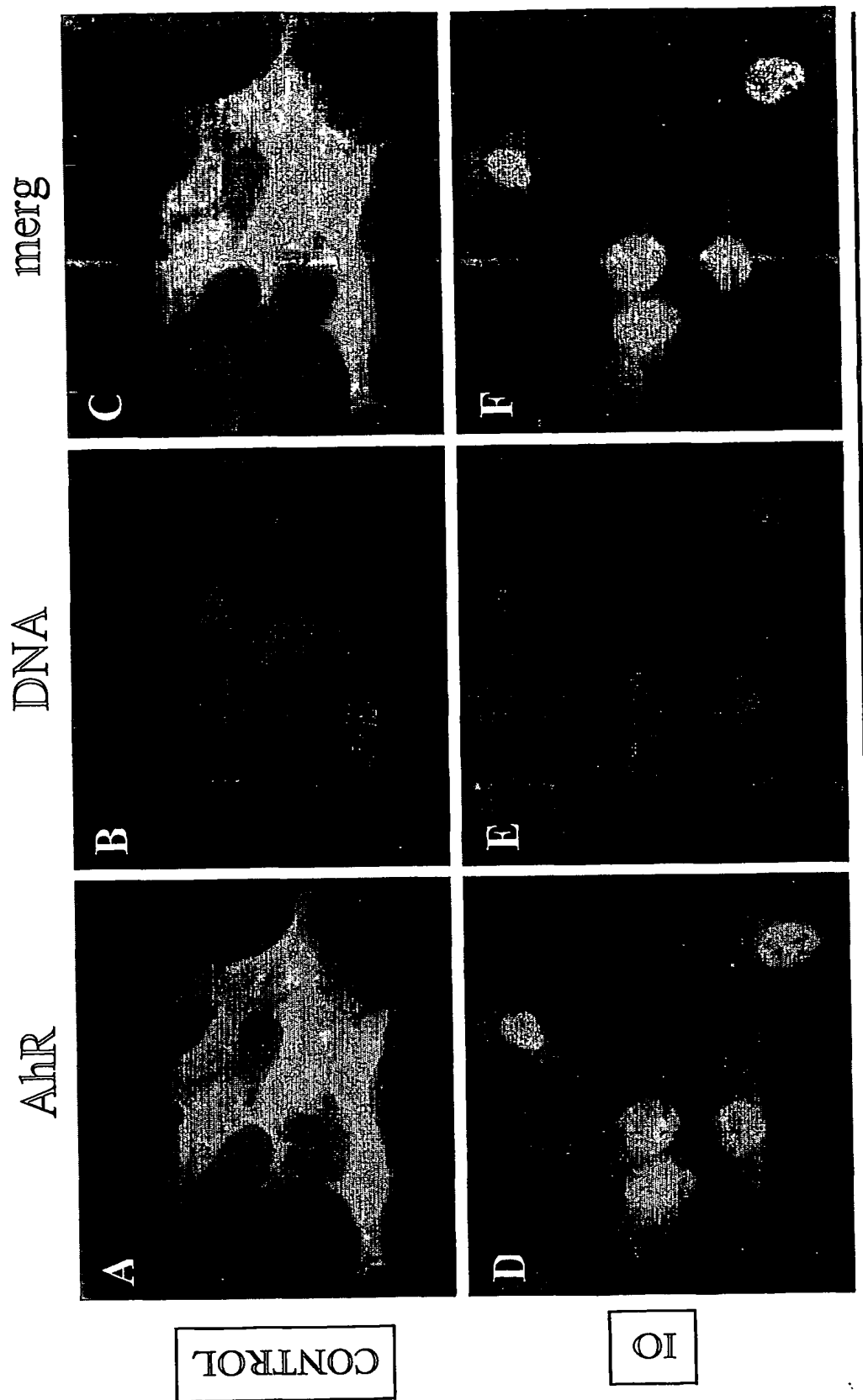


FIGURE 15G-15L

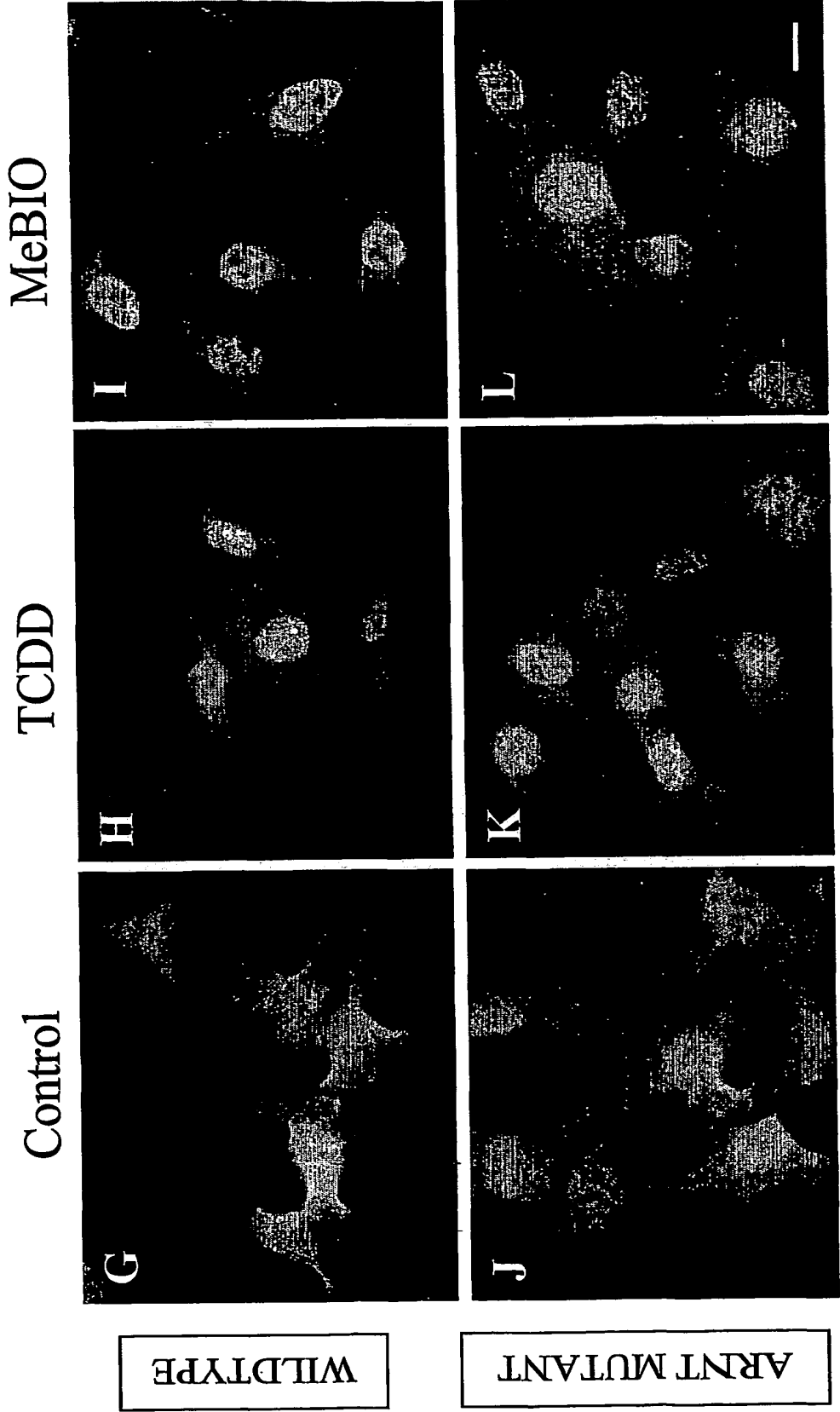


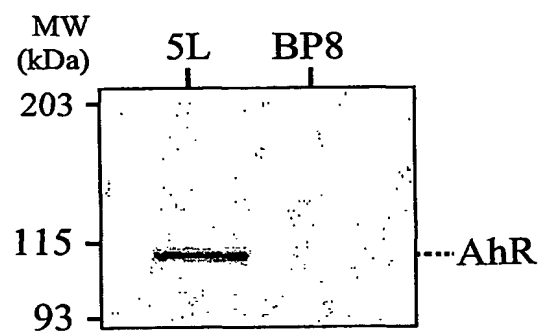
FIGURE 16

FIGURE 17

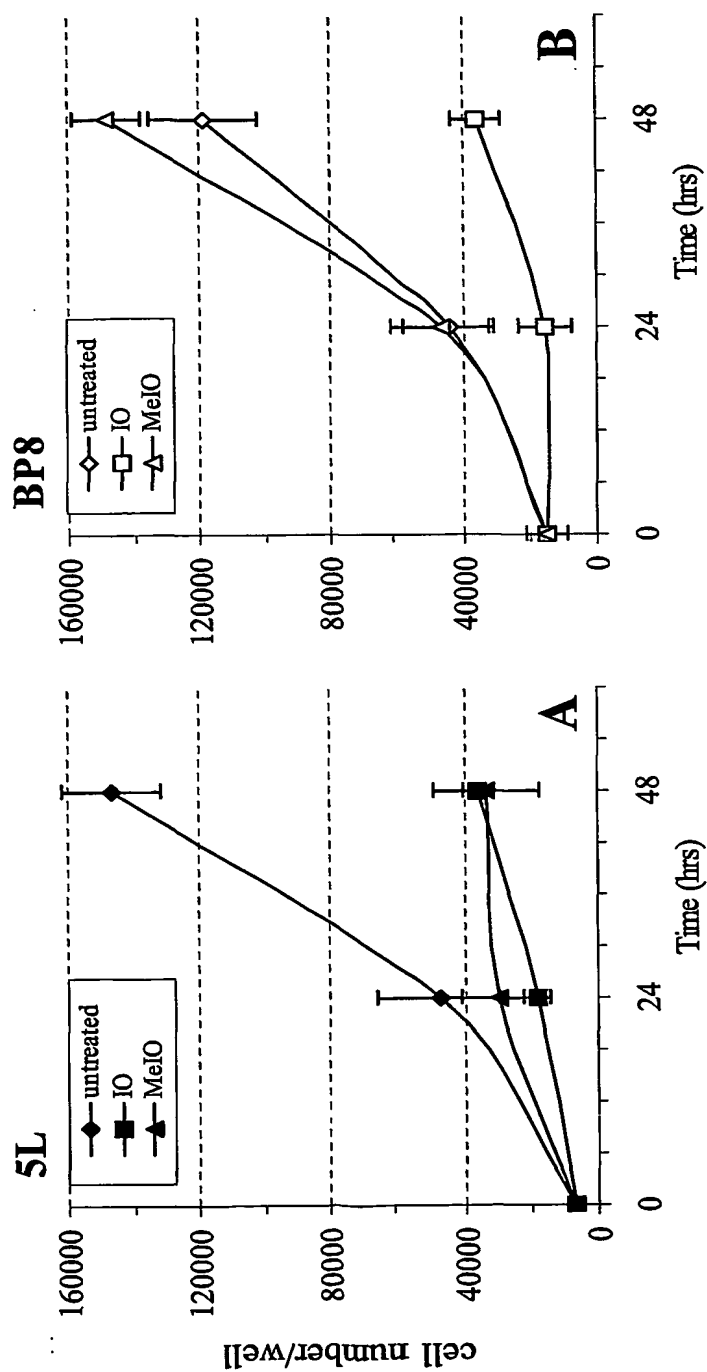


FIGURE 18

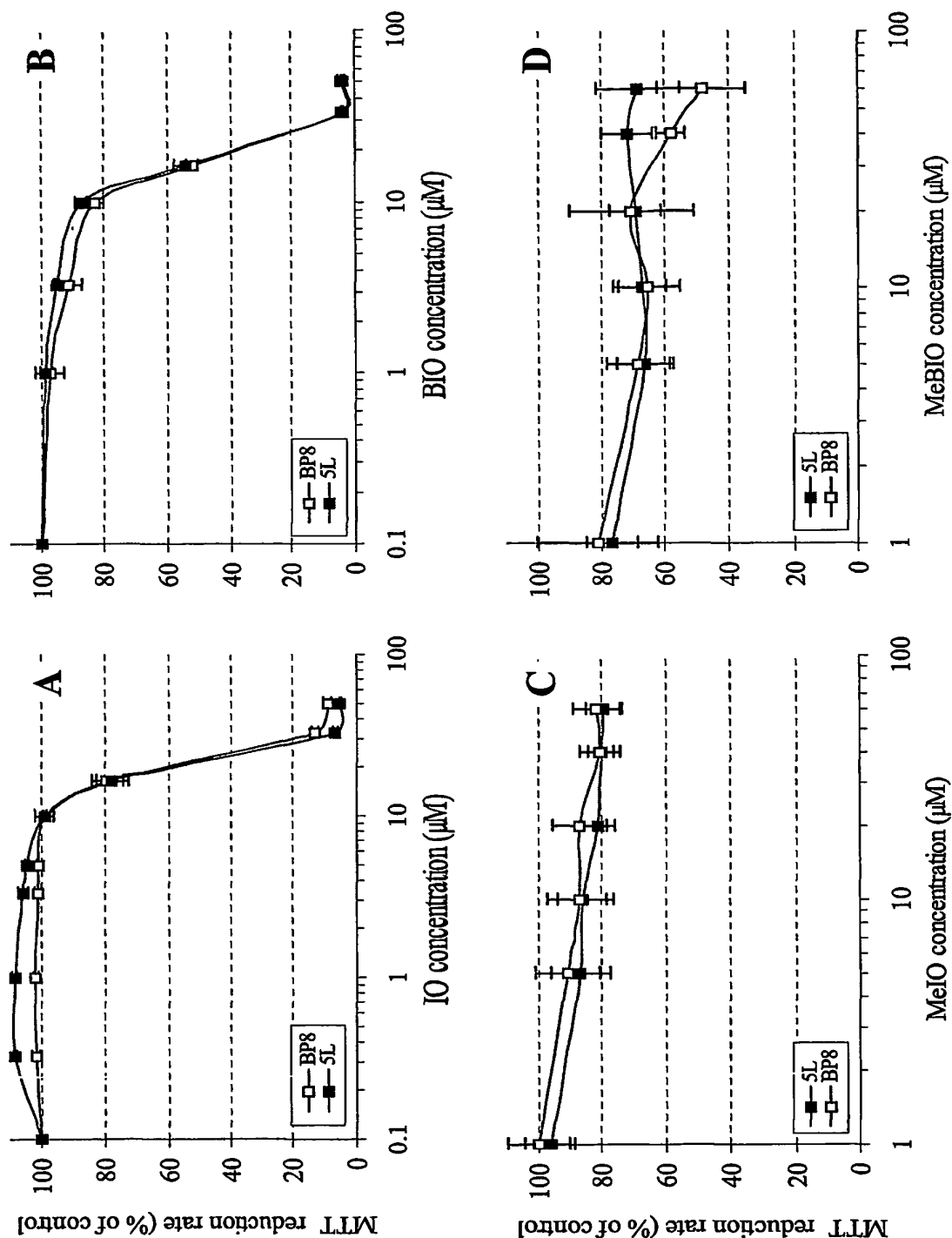


FIGURE 20

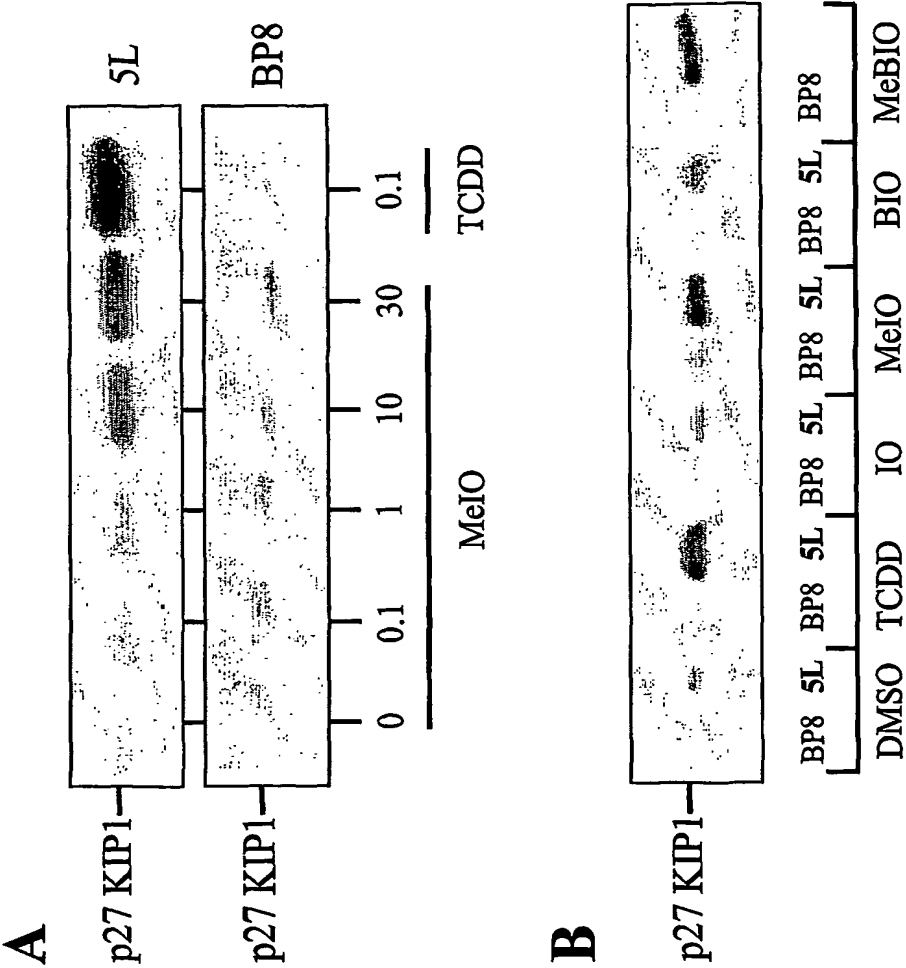


FIGURE 21

